

# NUCLEAR REGULATORY COMMISSION ACTIVITIES FOR PROTECTING AGAINST RADIOLOGICAL DISPERSION DEVICES

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# Before 9/11/01

- Security of Licensed Material Was A Priority
- Focus Was on Inadvertent Access to Licensed Material/Routine Security
- Few Events Involved Intentional Misuse Of Licensed Material

# NRC Response to September 11

## Overview

- Issued Advisories to Licensees to Enhance Security
- Increased Staffing at NRC Operations Center
- Developed Threat Advisory System Consistent with U. S. System
- Initiated a Review of Entire Security Program

# NRC Response

## Overview

- Increased Contact and Cooperation with Other Agencies
- Established the Office of Nuclear Security and Incident Response (NSIR)

# NRC Response

- Threat Advisory and Protective Measures System
  - Correlates with the Homeland Security Advisory System (Green, Blue, Yellow, Orange & Red)
  - Different Designations Allow Flexibility In Responding to Changes from Homeland Security
  - Different Classes of Licensee Get Response Direction Appropriate to that Class

# Challenges for Improving Materials Security

- Large number of licensees, wide variety of uses
- Most organizations are “open” institutions
- Security not focused on determined intruders

# Factors Affecting Consequences/Vulnerabilities

- Material radiotoxicity, quantity, form
- Accessibility, conditions of use
- Location: Fixed Facility, Temporary Job Site, Transportation, Import/Export

# NRC Response

## Future Implementation

- Future Security Enhancements

- Carefully Considering:

- What Needs Additional Protection

- Facilities
    - Forms
    - Isotopes

- How to Best Protect



# Materials Security after 9/11/01

## Future Implementation

- Measures Being Considered
  - Access Control
  - Background Checks
  - Alarm Systems/Response
  - Better Transportation Security
  - Increased Monitoring/Tracking
  - Verification of Authorizations
  - Export/Import Controls

# Materials Security after 9/11/01

## Future Implementation

- **Implement Security Enhancements Through:**

- Advisories
- Orders
- Rulemaking

# Materials Security after 9/11/01

## Future Implementation

- Emergency Response Challenges
  - Review of Federal/State/local responsibilities
  - Lines of communication
  - Assessing suspicious packages
  - First response/initial assessment
  - Establishing restricted areas/movement
  - Medical care for affected persons
  - Decontamination/reoccupation criteria
  - Storage/disposal of contaminated/orphan material

# SUMMARY:

## Materials Security after 9/11/01

- Continued Assessment of Risks
- Continued Assessment of Security Enhancements
- Enhanced Incident Response Capabilities
- National and International Cooperation